



A.D. 1852 N° 1007.

S P E C I F I C A T I O N

OF

WILLIAM MATHER.

SPREADING MEDICINAL COMPOUNDS
UPON LEATHER FOR PLASTERS.

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY:

PUBLISHED AT THE QUEEN'S PRINTING OFFICE, EAST HARDING STREET,
NEAR FLEET STREET.

Price 2½d.

1854.



A.D. 1852 N° 1007.

Spreading Medicinal Compounds upon Leather for Plasters.

PROVISIONAL SPECIFICATION left by William Mather at the Office of the Commissioners of Patents, with his Petition, on the 9th December 1852.

(Void by reason of notice to proceed not having been given within the
5 time prescribed by the Act.)

I, WILLIAM MATHER, of Manchester, in the County of Lancaster, Chemist and Druggist, do hereby declare the nature of my said Invention of "**CERTAIN IMPROVEMENTS IN THE METHOD OF SPREADING MEDICINAL COMPOUNDS UPON LEATHER TO BE USED AS PLASTERS, AND IN THE**
10 **MACHINERY OR APPARATUS CONNECTED THEREWITH,**" to be as follows:—

My improved method of spreading medicinal compounds consists in spreading resinous, pitchy, or other similar medicinal compounds, whilst in a semi-fluid or heated state (for plasters or blisters), by means of a heated roller upon *leather*, which object has been hitherto
15 unattained, and which I am enabled to effect by the use or employment of my improved apparatus. My improvements in the machinery or apparatus connected therewith consist of three principal parts: first, a block of the size and form of the intended plaster; secondly, a plate or frame, having an opening rather larger than the
20 block, and provided all round the said opening with a rim pro-

Mather's Impts. in Spreading Medicinal Compounds for Plasters, &c.

jecting upwards, and having a knife or bevilled edge; and, thirdly, a hollow metal roller, heated by means of a moveable iron heater. The operation is as follows:—A piece of leather (the form of the intended plaster) rather larger than the block is placed thereon, the margin of the leather projecting half an inch (more or 5 less) all round. The frame is next lowered by means of a treadle, bending the margin of the leather down round the sides of the block, and holding the leather firm, so as to prevent it from shrinking, &c. The said frame is lowered until the knife edge projects above the surface of the leather only so far as the thickness of the plaster is 10 desired to be. A sufficient quantity of the medicinal compound in a heated or semi-fluid state is then poured on to the centre of the leather, and spread by rolling the heated roller backwards and forwards. The superfluous portion of the compound is caused by the roller to flow over the knife edge or rim, and is thus cut off 15 from the plaster. The plate or frame is then raised, and another leather substituted, and the operation proceeds as before. The plasters are thus spread evenly and uniformly, and the margin of the leather kept perfectly clean.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1854.